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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/721,797	11/26/2003	Javier Alarcon	P-6013	4139	
	46851 7590 05/19/2008 David W. Highet, VP & Chief IP Counsel			EXAMINER	
Becton, Dickinson and Company			BERHANU, ETSUB D		
(Morgan, Lewis & Bockius, LLP) 1 Becton Drive, MC 110		ART UNIT	PAPER NUMBER		
· · · · · · · · · · · · · · · · · · ·	Franklin Lakes, NJ 07417-1880		3768		
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			05/19/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/721,797	ALARCON ET AL.
Office Action Summary	Examiner	Art Unit
	ETSUB D. BERHANU	3768
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 1.136(a). In no event, however, may a reply be to dwill apply and will expire SIX (6) MONTHS from tute, cause the application to become ABANDON	N. imely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>07</u> This action is FINAL . 2b) ☐ To allow closed in accordance with the practice under the practice under the practice.	his action is non-final. vance except for formal matters, pr	
Disposition of Claims		
4) ☐ Claim(s) 1,3,6,7,12,19-32 and 34-48 is/are part 4a) Of the above claim(s) is/are withdright 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,3,6,7,12,19-32 and 34-47 is/are race objected to. 8) ☐ Claim(s) 48 is/are objected to restriction and are subject to restriction and are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing(s) filed on is/are: a) ☐ are subjected to by the Examination of the drawing(s) filed on is/are: a/a is/are:	rawn from consideration. rejected. d/or election requirement. iner.	Examiner.
Applicant may not request that any objection to the Replacement drawing sheet(s) including the corrupt The oath or declaration is objected to by the	ection is required if the drawing(s) is o	bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for forei a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a least to the priority document of t	ents have been received. ents have been received in Applica riority documents have been receive eau (PCT Rule 17.2(a)).	tion No ved in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail [5) Notice of Informal 6) Other:	Date

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR

1.17(e), was filed in this application after final rejection. Since this application is eligible for continued

examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the

finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's

submission filed on 07 May 2008 has been entered.

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a

prior Office action.

Claim Rejections - 35 USC § 103

3. Claims 1, 3, 6, 7, 12, 20-32, 34, 35, 37, 38 and 40-47 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Alcala et al.'405 (previously cited) further in view of Lakowicz et al.'534 (previously

cited) further in view of Crowley'229 (previously cited).

See the rejection set forth in paragraph 2 of the Office Action mailed out 08 November 2007.

Further, Alcala et al.'405 also discloses that its optical fiber is intended to be inserted into a

human subject through a catheter or a needle (col. 16, lines 17-26). While Alcala et al.'405 discloses that

a needle is capable of being used to insert the optical fibers into a human subject, it does not disclose the

details of the needle. Crowley'229 discloses details of a hollow needle tip that not only houses an optical

sensing device, but also allows for the precise locating of the optical sensing device within a test subject

(see description of Figure 6). It would have been within the skill of the art to use the needle tip of

Crowley'299 as the insertion needle of Alcala et al.'405 since Alcala et al.'405 requires the use of an

insertion needle, but fails to provide the details of one, and Crowley'299 provides an insertion needle capable of being used with the optical fiber device of Alcala et al.'405.

4. Claims 36 and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Alcala et al.'405 further in view of Lakowicz et al.'534 further in view of Crowley'229, as applied to claim 1, further in view of Darrow et al.'651 (previously cited).

See the rejection set forth in paragraph 3 of the Office Action mailed out 08 November 2007.

5. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Alcala et al.'405 further in view of Lakowicz et al.'534 further in view of Crowley'229, as applied to claim 1, further in view of Sebille et al.'395 (USPN 5,028,395).

Alcala et al.'405 further in view of Lakowicz et al.'534 further in view of Crowley'299 discloses all the elements of the current invention, as discussed in paragraph 3 above, except for the optical fiber comprising silica. Alcala et al.'405 discloses the use of optical fibers, but fails to provide details of the optical fibers. Sebille et al.'395 teaches the use of optical fibers comprising silica to be used as chemical sensors (col. 4, lines 15-18). It would have been within the skill of the art to implement the optical fibers comprising silica of Sebille et al.'395 as the optical fibers of Alcala et al.'405 further in view of Lakowicz et al.'534 further in view of Crowley'299 since Alcala et al.'405 requires the use of optical fibers, but fails to provide details of the fibers, and Sebille et al.'395 provides the details of silica optical fibers capable of being used in the fiber optic probe of Alcala et al.'405.

Response to Arguments

6. Applicant's arguments filed 10 March 2008 have been fully considered but they are not persuasive. In response to the Applicant's argument on page 8 of the Remarks filed 10 March 2008 that the device of Crowley does not contain optical fibers in the needle, the Examiner would like to note that the Crowley reference was used to motivate a reason for placing a needle tip over the optical fiber of

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Alcala. No rejection was made by substituting the optics taught in Crowley for an optical conduit. As

such, the device of Crowley does not need to contain an optical fiber, it just needs a needle tip capable of

being placed over the optical fiber of Alcala. Further, as noted in paragraph 3 above, Alcala discloses that

its optical fiber probe is inserted into a human patient either through the use of a catheter or a needle.

Because Alcala does not disclose the details of the needle, and because Crowley discloses details of a

needle tip capable of being used to insert the fiber optic probe of Alcala into a human subject, it would

have been within the skill of the art to use the needle tip of Crowley as an insertion tool for the fiber optic

probe of Alcala. For these reasons, the rejection of claims 1, 3, 6, 7, 12, 19-32, and 34-46 are upheld.

Allowable Subject Matter

7. The following is a statement of reasons for the indication of allowable subject matter: None of

the prior art teaches or suggests, either alone or in combination, an optical fiber wherein a polymer matrix

is covalently attached to the optical fiber's distal end through functional amine groups on the surface of

the optical fiber, in combination with the other claimed elements.

8. Claim 48 is objected to as being dependent upon a rejected base claim, but would be allowable if

rewritten in independent form including all of the limitations of the base claim and any intervening

claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to ETSUB D. BERHANU whose telephone number is (571)272-6563. The examiner can

normally be reached on Monday - Friday (7:00 - 3:30).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian

Casler can be reached on (571)272-4956. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

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CANADA) or 571-272-1000.

/Eric F Winakur/ Primary Examiner, Art Unit 3768

EDB